

Preparation Date 2022/08/17

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji BULK (Powder)
Product Code	220817-1
Name of Supplier	GC Corporation
Address	76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan, Postal code 174-8585
Company Contact	Quality Assurance department
Phone Number	81-3-3965-1388
Fax Number	81-3-3965-1276
Restriction on Use	Prohibit use by anyone other than qualified dentistry. Prohibit use for purposes other than those written in this product IFU. Prohibit use for patients with a history of hypersensitivity symptoms such as rash and dermatitis to glass ionomer cement, methacrylate-based polymers, and methacrylate-based monomers. Surgeons / patients who have a rash, dermatitis, or other hypersensitivity to this product should discontinue use and seek medical attention immediately.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification of the Chemical	No applicable GHS classification data
GHS Label Elements	No information available

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture Mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCs No./ISHL No.		CAS RN
			ENCs No.	ISHL No.	
Fluoro-alumino-silicate glass	Confidential	Confidential	Confidential	Confidential	Confidential
Polyacrylic acid powder	Confidential	Confidential	Confidential	Confidential	Confidential
Pigment	Confidential	Confidential	Confidential	Confidential	Confidential

Section 4 – FIRST AID MEASURES

Inhalation	Call a doctor if you feel unwell.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice and attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth. IF SWALLOWED: Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing agent suitable for type of surrounding fire. When dust occurs, use dry sand.
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Unsuitable Extinguishing Media	No information available
Specific Hazards in Case of Fire	Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.
Specific Fire Fighting	Fight fire from upwind position if possible Keep away from sources of ignition and use appropriate extinguishing media. Prohibit unauthorized staff from entering the area around the fire. Keep unnecessary people away.
Special Protective Equipment and Precautions for Fire	Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Use goggles in combination with dust mask, and another protections as appropriate to situation.
Environmental Precautions	Large spills :Evacuate area. Ensure adequate ventilation.
Methods and Equipment for Containment and Cleaning Up	Do not discharge into the drains, surface waters or ground water directly. in case of fine powder Sweep or vacuum spills to drums or containers. Prevent dispersion of dust. in case of fine powder Use explosion-proof electrical equipment and prevent from static electrocity.
Prevention Measures for Secondary Accidents	Keep away from sources of ignition and prepare extinguishing media. Risk of slipping. Spilled material forms slippery floor. Do not recklessly walk on the spillage.

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Please comply with this section and the contents of this product IFU. Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
	Prevents Handling of Incompatible Substances or	Refer to "Section 10 – STABILITY AND REACTIVITY".
Storage	Conditions for Safe Storage	Refer to "Section 10 – STABILITY AND REACTIVITY". Store in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Use local exhaust ventilation in case of production of fume or mist.
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		Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
		Use explosion-proof electrical equipment and prevent from static electrocity.
Personal Protective Equipment	Respiratory Protection	If necessary, wear respiratory protection.
	Hand Protection	If necessary, wear protective gloves.
	Eye/Face Protection	If necessary, wear protective eye protection.
	Skin and Body Protection	If necessary, wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		solid
Form		solid (powder)
Colour		White
Odour		Odourless
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		No data available
Flammability		No data available
Lower and Upper Explosion Limit / Flammability Limit	Lower Limit	Not applicable
	Upper Limit	Not applicable
Flash Point		No data available
Auto-Ignition Temperature		No data available
Decomposition Temperature		No data available
pH		No data available
Kinematic Viscosity		No data available
Solubility		Insoluble in water
Partition Coefficient : n-Octanol/Water		No data available
Vapour Pressure		No data available
Density and/or Relative Density		No data available
Relative Gas Density		No data available
Particle Characteristics		No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity		Stable under normal conditions of use.
Chemical Stability		Stable under normal conditions of use.
Possibility of Hazardous Reaction		Under normal conditions of use, no dangerous reaction is known.
Conditions to Avoid		No information available
Incompatible Substances or Mixtures		Oxidant
Hazardous Decomposition Products		No information available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Classification not possible.
	Dermal	Unable to classify.

Inhalation	<p>(gas) Does not fall under gas based on GHS definitions.</p> <p>(vapour) Unable to classify.</p> <p>(dust and mist) Classification not possible.</p>
Skin Corrosion/Irritation	Classification not possible.
Serious Eye Damage/Eye Irritation	Classification not possible.
Respiratory Sensitization	Unable to classify.
Skin Sensitization	Unable to classify.
Germ Cell Mutagenicity	Unable to classify.
Carcinogenicity	Unable to classify.
Reproductive Toxicity	<p>(Reproductive toxicity) Unable to classify. (Reproductive toxicity, effects on or via lactation)</p>
Specific Target Organ Toxicity (Single Exposure)	<p>Unable to classify. Classification not possible.</p>
Specific Target Organ Toxicity (Repeated Exposure)	Classification not possible.
Aspiration Hazard	Classification not possible.
Section 12 – ECOLOGICAL INFORMATION	
Hazardous to the Aquatic Environment, Short-Term (Acute)	Classification not possible.
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Classification not possible.
Ecotoxicity	No data available
Persistence	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Hazardous to the Ozone Layer	Unable to classify.
Section 13 – DISPOSAL CONSIDERATIONS	
Residual Waste	<p>Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.</p> <p>Dispose of waste in accordance with local, state and federal regulations.</p>
Contaminated Container and Packaging	<p>Passed to a licensed waste contractor.</p> <p>In case of disposal of empty containers, remove the content thoroughly.</p>

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Not regulated
	Marine Pollutant	Not applicable
	Liquid Substance Transported in Bulk	Not applicable
	According to MARPOL 73/78, Annex II, the IBC Code	
	Regulatory Information by Air	Not regulated
Regulations in Japan	Regulatory Information by Road	Not regulated
	Regulatory Information by Sea	Not regulated
	Marine Pollutant	Not applicable
	Liquid Substance Transported in Bulk	Not applicable
	According to MARPOL 73/78, Annex II, the IBC Code	
	Regulatory Information by Air	Not regulated
Emergency Response Guide Number		None

Section 15 – REGULATORY INFORMATION

It is recommended to consult the local regulations of the state/region to determine the identification as hazardous material.

Section 16 – OTHER INFORMATION

Information Contact	Described in item 1
Other Property	Since this product consists of multiple individually packaged components, this SDS is written for each component.
	The information herein is given in good faith, but no warranty expressed or implied, is made.

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji BULK (Liquid)
Product Code	220817-2
Name of Supplier	GC Corporation
Address	76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan, Postal code 174-8585
Company Contact	Quality Assurance department
Phone Number	81-3-3965-1388
Fax Number	81-3-3965-1276
Restriction on Use	Prohibit use by anyone other than qualified dentistry. Prohibit use for purposes other than those written in this product IFU.

Prohibit use for patients with a history of hypersensitivity symptoms such as rash and dermatitis to glass ionomer cement, methacrylate-based polymers, and methacrylate-based monomers.

Surgeons / patients who have a rash, dermatitis, or other hypersensitivity to this product should discontinue use and seek medical attention immediately.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification of the Chemical

No applicable GHS classification data

GHS Label Elements

No information available

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance
or Mixture

Mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCS No./ISHL No.		CAS RN
			ENCS No.	ISHL No.	
Polyacrylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Polybasic carboxylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Water	Confidential	Confidential	Confidential	Confidential	Confidential

Section 4 – FIRST AID MEASURES

Inhalation

Call a doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice and attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing
Media

Use extinguishing agent suitable for type of surrounding fire.

Dry chemical, alcohol-resistant foam, CO2, sand.

Unsuitable Extinguishing
Media

When dust occurs, use dry sand.

No information available

Specific Hazards in Case
of Fire

Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.

Specific Fire Fighting

Fight fire from upwind position if possible
Keep away from sources of ignition and use appropriate extinguishing media.

Prohibit unauthorized staff from entering the area around the fire.

Special Protective
Equipment and
Precautions for Fire

Keep unnecessary people away.

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures		Use goggles in combination with dust mask, and another protections as appropriate to situation.
Environmental Precautions		Large spills :Evacuate area. Ensure adequate ventilation.
Methods and Equipment for Containment and Cleaning Up		Do not discharge into the drains, surface waters or ground water directly. small spill : absorb with material such as non-combustible material wash thoroughly after handling
Prevention Measures for Secondary Accidents		Large spills: Dike spills and dispose of in safe area. Keep away from sources of ignition and prepare extinguishing media. Risk of slipping. Spilled material forms slippery floor. Do not recklessly walk on the spillage.

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
	Prevents Handling of Incompatible Substances or	Refer to "Section 10 – STABILITY AND REACTIVITY".
Storage	Conditions for Safe Storage	Refer to "Section 10 – STABILITY AND REACTIVITY". Store in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Personal Protective Equipment	Respiratory Protection	If necessary, wear respiratory protection.
	Hand Protection	If necessary, wear protective gloves.
	Eye/Face Protection	If necessary, wear protective eye protection.
	Skin and Body Protection	If necessary, wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	liquid
Colour	Clear
Odour	Nearly odourless
Melting Point/Freezing Point	No data available

Boiling Point or Initial Boiling Point and Boiling Ranges		No data available
Flammability		No data available
Lower and Upper Explosion Limit / Flammability Limit	Lower Limit	No data available
	Upper Limit	No data available
Flash Point		No data available
Auto-Ignition Temperature		No data available
Decomposition Temperature		No data available
pH		No data available
Kinematic Viscosity		No data available
Solubility		No data available
Partition Coefficient : n-Octanol/Water		No data available
Vapour Pressure		No data available
Density and/or Relative Density		No data available
Relative Gas Density		No data available
Particle Characteristics		No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity		Stable under normal conditions of use.
Chemical Stability		Stable under normal conditions of use.
Possibility of Hazardous Reaction		Under normal conditions of use, no dangerous reaction is known.
Conditions to Avoid Incompatible Substances or Mixtures		No information available Peroxide
Hazardous Decomposition Products		Carbon compound

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Unable to classify.
	Dermal	Unable to classify.
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Unable to classify. (dust and mist) Unable to classify. Unable to classify.
Skin Corrosion/Irritation		Unable to classify.
Serious Eye Damage/Eye Irritation		Unable to classify.
Respiratory Sensitization		Unable to classify.
Skin Sensitization		Unable to classify.
Germ Cell Mutagenicity		Unable to classify.
Carcinogenicity		Unable to classify.
Reproductive Toxicity		(Reproductive toxicity) Unable to classify. (Reproductive toxicity, effects on or via lactation)

Specific Target Organ Toxicity (Single Exposure)	Unable to classify. Unable to classify.
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Specific Target Organ Toxicity (Repeated Exposure) Aspiration Hazard	Unable to classify. Classification not possible.
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Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Classification not possible.
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Hazardous to the Aquatic Environment, Long-Term (Chronic)	Classification not possible.
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Ecotoxicity	No data available
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Persistence	No data available
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Bioaccumulative Potential	No data available
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Mobility in Soil	No data available
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Hazardous to the Ozone Layer	Unable to classify.
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Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.
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Dispose of waste in accordance with local, state and federal regulations.
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Contaminated Container and Packaging	Passed to a licensed waste contractor.
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In case of disposal of empty containers, remove the content thoroughly.
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Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Not regulated
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Marine Pollutant	Not applicable
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Liquid Substance	Not applicable
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Transported in Bulk

According to

MARPOL 73/78,

Annex II, the IBC

Code

Regulatory	Not regulated
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Information by Air

Regulations in Japan	Regulatory Information by Road	Not regulated
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Regulatory	Not regulated
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Information by Sea

Regulatory	Not regulated
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Information by Sea

Marine Pollutant	Not applicable
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Liquid Substance	Not applicable
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Transported in Bulk

According to

MARPOL 73/78,

Annex II, the IBC

Code

	Regulatory Information by Air	Not regulated
Emergency Response Guide Number		None

Section 15 – REGULATORY INFORMATION

It is recommended to consult the local regulations of the state/region to determine the identification as hazardous material.

Section 16 – OTHER INFORMATION

Information Contact
Other Property

Described in item 1

Since this product consists of multiple individually packaged components, this SDS is written for each component.

The information herein is given in good faith, but no warranty expressed or implied, is made.